

## Page 1 of 1

All amounts are calculated in domestic currency.

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<b>Book Amt</b>	
\$588.05	
\$1,656.60	
\$0.00	
984,750	
0,000	
0,000	
\$2,244.6	
0,000	

## Shipping Order

13/03/2017

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 Tel.: 450 641-3330

Order : 123638  
Reference : 35538  
Ship : PICK UP / PICK UP

Customer: 6323336

## Ship To

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SF14124	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 FLA .250 X .500 ✓ 15 X 12.25' ht;56900655	183.75	183.75 ✓	✓
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" ✓ 40 x 20' ** ht;V3Y9	800	800 ✓	✓

journey collect  
jp

SF H-03-14

Shipping : C Fontaine TA #429  
Package No :  
Merchandise Received: \_\_\_\_\_

Ref. : \_\_\_\_\_

<b>BOLLINGHAUS</b> <b>STEEL</b> Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1		No.: /Nr.: /Nr.: 0000119911																															
		Unsere Innere Verweisung /Our Int. Ref/ N/ ref Int 5600031591 000040		Datum / Date / Data 26.09.2016																															
Normen / Standards / Normas TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A479/A479M-16, A276/A276M-16a, SAE-AMS-QQ-S 7630, AMS5638H, AMS5647J, ASME SA479/SA479M, ASME SA276, ASTM A182/A182M-16a F304/304L, A193/A193M-16 CL.1Gr.B8, ASTM A314-15, ASTM A320/A320M-15a, DOD-F24069/6, ASME SA182/SA182M, ASME SA 193/SA193M, ASME SA320 CL.1Gr.B8, ASTM A262-15 Practice E, grain size as per ASTM E112, NACE MR 0175, Mercury free statement, not weld repair statement, contents of N, Co, Mo and Cu., in hot rolled, solution annealed, pickled, straightened execution as per ASTM A484/A484M-16																																			
Kunde / Customer / Cliente			Endgültiger Kunde / Final Customer / Cliente Final																																
Bestell Nr./Order Nr./Enc.Nr. C105024			Bestell Nr./Order Nr./Enc.Nr. C105024.01																																
Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 1/4 X 1/2"		Gewicht / Weight / Peso 1.059 lb		Bundle / Bundle / Atados 01																															
Werkstoff-Nr. Material-no. Qualidade 1.4307		Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9																																	
Beschreibung / Description / Descrição Stainless steel flat bars, hot rolled, solution annealed, straightened, pickled. US DRAR-252,225-7009; MELT SOURCE: United Kingdom / MFG: Portugal.																																			
Chemische Analyse In % / Chemical composition In % / Análise química em % <table border="1"> <tr> <td>Si</td><td>0.030</td> <td>Si</td><td>0.228</td> <td>Mn</td><td>1.830</td> <td>P</td><td>0.030</td> <td>S</td><td>0.025</td> <td>Cr</td><td>18.100</td> <td>Ni</td><td>8.100</td> </tr> <tr> <td>Mo</td><td>0.430</td> <td>Co</td><td>0.205</td> <td>Cu</td><td>0.290</td> <td>N</td><td>0.084</td> <td>Ti</td><td>0.003</td> <td>Nb</td><td>0.021</td> <td>Al</td><td>0.005</td> </tr> </table>						Si	0.030	Si	0.228	Mn	1.830	P	0.030	S	0.025	Cr	18.100	Ni	8.100	Mo	0.430	Co	0.205	Cu	0.290	N	0.084	Ti	0.003	Nb	0.021	Al	0.005		
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Mo	0.430	Co	0.205	Cu	0.290	N	0.084	Ti	0.003	Nb	0.021	Al	0.005																						
Proben-Nr. Test no. Amostra no. 4032619.01-01		ASTM A370 <table border="1"> <tr> <th>Kerbschlagarbeit Impact Test Resiliência (Charpy V)</th> <th>Streckgrenze Yield point Tensão limite Rp 0.2 %</th> <th>Dehngrenze 1% point Limite de extensão Rp 1.0%</th> <th>Zugfestigkeit Tensile strength Tensão de rotura Rm</th> <th>Dehnung Elongation Alongamento</th> <th>Einschnürung Reduction of area Coef. Estricção Z</th> </tr> <tr> <th>[J]</th> <th>[Ksi]</th> <th>[Ksi]</th> <th>[Ksi]</th> <th>[%]</th> <th>[%]</th> </tr> <tr> <td></td> <td>47.1</td> <td>54.5</td> <td>93.5</td> <td>56.1</td> <td>59.3</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Kerbschlagarbeit Impact Test Resiliência (Charpy V)	Streckgrenze Yield point Tensão limite Rp 0.2 %	Dehngrenze 1% point Limite de extensão Rp 1.0%	Zugfestigkeit Tensile strength Tensão de rotura Rm	Dehnung Elongation Alongamento	Einschnürung Reduction of area Coef. Estricção Z	[J]	[Ksi]	[Ksi]	[Ksi]	[%]	[%]		47.1	54.5	93.5	56.1	59.3												
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	47.1	54.5	93.5	56.1	59.3																														
Visuelle Kontrolle Visual Inspection Inspeção visual <input checked="" type="checkbox"/> Ok		ASTM E10 Härte Hardness Dureza 190 [HB]		ASTM A262 Practice E Korrosionsbeständigkeit IC Test <input checked="" type="checkbox"/> Ok Corrosão Intermetálica																															
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional <input checked="" type="checkbox"/> Ok		ASTM E112 Korngröße Grain size Tamanho de grão 9		Wärmebehandlung Heat treatment Tratamento térmico Annealed Quenched 1900 °F (1050 °C) (water quenched)																															
Verwechslungsprüfung Test of identity Teste de identificação <input checked="" type="checkbox"/> Ok		Makroskopische Untersuchung Macrographic test <input checked="" type="checkbox"/> Ok Material free from segregation defects		Nuno Silva (D - NS)																															
Bollinghaus Steel, SA																																			
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.																																			
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.																																			

19447

**PHOENIX TUBE COMPANY, INC.**  
Manufacturer of Stainless Ornamental and Structural Tubing  
**CERTIFICATION OF TEST**

Sold To:

Ship To:

CUSTOMER ORDER#: C99761

CUST REF NBR:

DATE SHIPPED: 08/10/15

SIZE: 3/4SQ X 16 GA AW

SOURCE: USA D

VENDOR: NAS

Phone# 5492803

ORDER#: 374205

QTY SHIPPED: 1000.0

GRADE: 304L

HEAT#: V3Y9

Ext:

WELD: TIG

TEST REPORT#: TR012598

Report Date: 05/21/15

Specification:

ASTMA554-15

ASTM-A 240-15a

MFG USING

ANNEALED, AND SHOWS NO

1900F WATER QUENCHED.

T304L/304 DUAL CERTIFIED

RAW MATERIAL SPEC.

ANNEALED AND PICKLED

CONTINUOUS CARBIDE

DFARS 252.225.7008

NO WELD REPAIR

RoHS COMPLIANT

PLATE, SHEET OR STRIP

PRECIPITATION.

COMPLIANT

EN 10204 3.1

NACE MR0175/01

MATERIAL IS FULL SOLUTION

MIN. SOLUTION ANNEAL TEMP

MERCURY IS NOT USED BY US AS AN ALLOYING MATERIAL NOR IS METALLIC MERCURY HANDLED IN THE VICINITY  
OF OUR PROCESSING LINES. MATERIAL IS FREE OF MERCURY CONTAMINATION.

Chemical Analysis

C	MN	P	S	SI	CR	NI	MO	CU	CO	N2	TI
.019	1.74	.033	.013	.28	18.20	8.10	.35	.39	NA	.09	NA

Physical Analysis

Hardness	YIELD		TENSILE		OTHER	
	PSI	MPA	PSI	MPA	Percent EL	Percent RA
RB 86	48690	NA	94530	NA	46	NA

THE CHEMICAL ANALYSES ARE CORRECT AS CONTAINED IN OUR CORPORATE RECORDS.  
PHYSICAL PROPERTIES ARE DETERMINED WHILE MATERIAL IS IN STRIP FORM.

THIS MATERIAL INCLUDING THE BILLETS, WAS  
MELTED & MANUFACTURED IN THE USA. FAR BAA complies, DFARS BAA complies, FAR TAA complies

CERTIFIED BY Inventory Control Dept.



1185 WIN DR, BETHLEHEM, PA., 18017 - (610) 865-5337

FAX NUMBER: 610-865-4073

178721

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304T50.750W.065

PO / BATCH NO.: 2035533/M 137065

DATE: 17-03-15

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 1758.75.065

QUANTITY RECEIVED: 40 X 20'

THICKNESS RECEIVED: 1758.75.065

QUANTITY INSPECTED: 40 X 20'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	<u>U3Y9</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>38</u> <u>0-06</u>	SIGNED OFF BY: _____		
DATE: <u>MAR 15 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.250X0.500

PO / BATCH NO.: P035538 / M137065

DATE: 17-03-15

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: .250X.500

QUANTITY RECEIVED: 15 X 12.25'

THICKNESS RECEIVED: .250 X .500

QUANTITY INSPECTED: 15 X 12.25'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	<u>56900655</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>38</u> DATE: <u>MAR 15 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO35538**

Purchase Order Date 3/9/2017

PO Print Date 3/9/2017

Page Number 1 of 2

**Order From :**

VC-MET002

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEUIL, QC J4N 1L7  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

E-MAILED

MAR 09 2017

**Contact Name**

**Vendor Phone** 800 558 8858

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304B0.250x0.500 MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE	304 BAR .250 x .500	3/15/2017 Yes 3/15/2017		180.00 f new 183.75	\$4.25	\$765.00
Line Total:							\$765.00
2	M304TS0.750W.065 MATERIA: AISI 304/316 STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR AS PER ASTM A269 MILL FINISH	304 SQ Tube .75x.75x.065W	3/15/2017 Yes 3/15/2017		800.00 f SP1703-14	\$2.75	\$2,200.00
Line Total:							\$2,200.00

Note:

3/9/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO35538**

Purchase Order Date 3/9/2017

PO Print Date 3/9/2017

Page Number 2 of 2

**Order From :**

VC-MET002

**Ship To :** DART AEROSPACE LTD

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEUIL, QC J4N 1L7  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 558 8858

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** Destination-Collect

3	71401-45	procurement quality clauses	3/15/2017	1.00	\$0.00	\$0.00
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No

3/15/2017

**Procurement Quality Clauses**

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

SP17-03-14

**Line Total:** \$0.00

**PO Total:** \$2,965.00

U  
CL

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 3/9/2017